

**APPENDIX A - DECLARATION**

E-FILED

PATENT APPLICATION  
Docket No. 15436.436.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of		)
		)
	Harold Y. Walker Jr. et al.	)
		)
Serial No.:	10/006,103	) Art Unit
		) 2874
Filed:	December 6, 2001	)
		)
For:	METHOD AND SYSTEM FOR RELEASING	)
	A PLUGGABLE MODULE	)
		)
Confirmation No.:	9457	)
		)
Customer No.:	022913	)
		)
Examiner:	Sung H. Pak	)

DECLARATION UNDER 37 C.F.R. § 1.131

The undersigned hereby declare as follows:

1. We, Harold Y. Walker Jr. and Richard L. Bell, are the co-inventors of the invention disclosed and claimed in United States Patent Application No. 10/006,103 ("the Invention").
2. Attached hereto as 'Exhibit A' is a copy of an invention record which discloses one or more embodiments of the Invention (the "Invention Record").
3. The Invention Record was signed and dated by each of us on March 14, 2001.
4. Attached hereto as 'Exhibit B' is a copy of an email sent by Jack Walker to John McLaughlin which discloses one or more embodiments of the Invention (the "Walker Email").
5. The Walker Email was sent on April 3, 2001.

6. As evidenced by the Invention Record and the Walker Email, we conceived and reduced the Invention to practice in the United States prior to April 14, 2001.

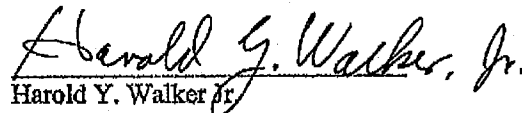
7. We were each personally involved with the conception and reduction to practice of the Invention.

8. The conception and reduction to practice of the Invention both took place during our employment at Honeywell International Incorporated.

9. We declare further that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

DATED this 20th day of February, 2006.

Respectfully submitted,

  
Harold Y. Walker Jr.

DATED this 20<sup>th</sup> day of FEBRUARY, 2006.

Respectfully submitted,

  
Richard L. Bell

EXHIBIT A

**Honeywell CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED****Invention Record  
(Docket) No.:  
H0002354****Origin Date:  
03/12/2001****SBE: M40 - Phnx., AZ - OPTOELECTRONICS  
DIV.****Attorney(s): Abeyta, Andrew A****File Location: PH - Phoenix, AZ****Title: Release Mechanism for MSA Pluggable Module****Inventor: Walker, Jr., Harold Y.  
Address: 203 Starlite, Plano, TX 75094  
Phone: 972-470-4365 Fax: 972-470-4504  
Citizenship: US****SSN: \*\*\*\*\*  
County: USA Collin *HGW*  
Supervisor: Ron Warkentine****Inventor: Bell, Richard L  
Address: 2106 Sky Ridge Creek, Richardson,  
TX 75082  
Phone: 972-470-4212 Fax: 972-470-4504  
Citizenship: US****SSN: \*\*\*\*\*  
County: Dallas  
Supervisor: Ron Warkentine**

1. Briefly describe the technical or commercial problem or need that this invention is intended to solve.  
**Current method of releasing module and removing it from system is not usable for modules in close proximity to each other.**

2. Briefly describe how this invention solves the problem or meets the need.  
**Method uses a small wire handle with cam formed in one section and uses a modification of the current ejector button. With handle in up position, the module is locked into the system. When the handle is pulled down, the cam moves the ejector button which releases the module. The handle is then used to pull the module from the system.**

3. Describe how to make and use the invention. Please indicate which embodiment(s) are preferred and describe the best way known to you to practice the invention. Attach relevant documents. (If the invention is a device or process, please provide a drawing or flow chart.) (If you are unfamiliar with the contents and preparation of a patent application, please refer to the Guidelines for the Preparation of Invention Disclosures.)  
**Two pieces are required. The ejector button is molded plastic. The handle is formed from steel wire.**

Document(s):  
H0002354\_MU1\_release.pdf

4(a). To the best of your recollection what is the earliest date on which the invention was conceived? Who conceived the invention? Attach documents which evidence the foregoing.

Conception Date: **3-5-01**

Who conceived it?: **H Y Walker and Richard Bell**

Document(s):  
H0002354\_CD1\_release.doc

4(b). Is there a non-inventor who witnessed the conception? If so, please identify him/her and attach any documents which evidence the witnessing.

**Yes**

Witness Name: **Ron Warkentine**

Witness Phone: **972-470-4296** Document(s):

---

**5(a).** To the best of your recollection, what is the earliest date on which the invention was reduced to practice (i.e. made)? Who reduced the invention to practice. Attach documents which evidence the foregoing. If no reduction to practice, type "n/a".

First Practice Date: n/a      Who reduced it to practice?: Document(s):

---

**5(b).** Is there a non-inventor who corroborated the reduction to practice? If so, please identify him/her, the corroborating activity (i.e., over-the-shoulder corroboration or repeating the experiment), and the date of the activity. Attach documents which evidence the foregoing.

Non-inventor corroborator?:      First Corroborator Name:      First Corroborator Phone:  
No

First Practice Corroboration Date:      First Practice Corroborator Activity:

Document(s) related to corroboration event:

---

**5(c).** For each example of the invention and each comparative example on which you intend to rely in the patent application, please indicate when the example was generated, who conducted the experiment and where this example is recorded (e.g., volume, page and author or laboratory notebook) and attach a copy of these records.

If no example available, type "n/a".

Example(s): n/a

Who conducted the experiment?:

Where is example recorded?: Document(s):

---

**6(a).** Did this invention arise in a program that is funded in whole or part by the U.S. Government or another company, or any entity other than Honeywell?

No

---

**6(b).** If so, please identify the program (including government contract number, if applicable) and the entity sponsoring the program and provide a copy of any agreement between the parties concerning the program.

Outside Funding Program:

Contract Number (if applicable):

Outside Funding Entity:

Document(s) related to funding agreement:

---

**7(a).** To your knowledge, is this invention subject to any agreement between Honeywell and a third party (e.g., a secrecy agreement, license agreement, joint development agreement, etc.)?

No

---

**7(b).** If so, please identify the agreement and the other party and attach a copy of the agreement if one is available.

Third party agreement ID:

Third party name:

Document(s) related to any third party agreement:

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**8.** You have a duty to disclose to the U.S. Patent and Trademark Office all relevant prior art of which you are

aware. Please list all such prior art (e.g., patents, publications, brochures, Honeywell and third-party products, known to you. If a prior art search has been conducted, it must be included. Briefly indicate how this invention is different from the prior art. See 1 and 2 above.

List of prior art:

How invention is different from the prior art:

9(a). Has the product or process which is the subject of this invention disclosure been disclosed, sold or offered for sale to anyone outside of Honeywell or to the general public.

Yes

9(b). If so, when and to whom was it disclosed, sold or offered for sale? If it was disclosed, was a secrecy agreement in place? Attach documents which evidence the sale or offer for sale.

Date it was disclosed: 3-11-01

Whom disclosed to: Fujijura of America

Disclosure Sales Agreement?: Yes

Document(s) which evidence the sale or offer for sale:

9(c). Does the business intend to disclose, sell or offer to sell the invention to anyone outside of Honeywell or to the general public in the near future? If so, to whom and when is this disclosure, sale or offer for sale planned?

Yes

For whom are future sales planned: Any customer

Date future sale is planned: 2001

10(a). Does this invention relate to any other: (i) issued patents, (ii) pending patent applications, or (iii) previously submitted invention disclosures, of Honeywell?

No

10(b). If so, please identify the related matter and indicate whether this is an improvement on an earlier invention: Other patents related matter is:

Is this an improvement?:

11. Please specify the product(s) to which this invention disclosure relates.

MTRJ-OFE and LC-OFE for Small Form-Factor Pluggable Transceivers

12. Please indicate keywords for identifying this invention disclosure.

Small Form-Factor, Transceivers, Release Mechanism

Only one witness signature is required.

Witness Name: Ron Wankentine

Witness Signature: Ron Wankentine

Date: 3-14-01

Inventor Name: H. Y. Walker, Jr.

Inventor Signature: H. Y. Walker, Jr.

Date: 3-14-01



Inventor  
Name: RICHARD L. BELL

Inventor  
Signature: 

Date: 3-14-01

Inventor  
Name: \_\_\_\_\_

Inventor  
Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Inventor  
Name: \_\_\_\_\_

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Inventor  
Name: \_\_\_\_\_

Inventor  
Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Send to:  
Andrew A Abeyta  
16404 N. Black Canyon Hwy., MS: AZ15-1E20  
Phoenix, AZ 85053-3033

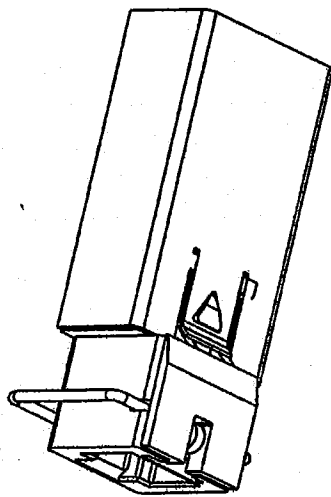
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1	ENGINEERING RELEASE	3-7-01
2	ADDED VIEWS	3-12-01

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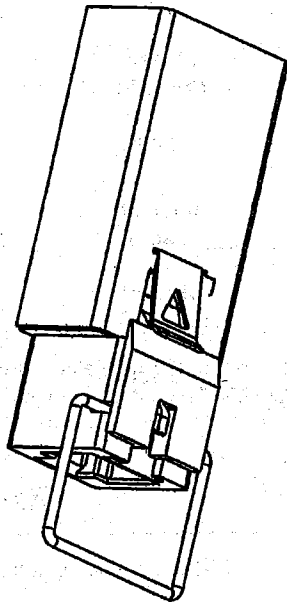
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HONEYWELL  
PROPRIETARY



### UP POSITION:

WITH RELEASE HANDLE IN UP POSITION, EJECTOR BUTTON ALLOWS LOCKING TAB TO HOLD PROJECTION ON HOUSING THUS SECURING MODULE TO CAGE.



### DOWN POSITION:

WITH RELEASE HANDLE IN DOWN POSITION, EJECTOR BUTTON PUSHES LOCKING TAB BELOW PROJECTION ON HOUSING, THUS RELEASING MODULE FROM CAGE. HANDLE CAN THEN BE USED TO REMOVE MODULE FROM SYSTEM.

D/N		AST-1114-001	
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3-7-01		3-7-01	
JW		JW	
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DOCUMENTATION CONTROL		DOCUMENTATION CONTROL	
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REVISION 2

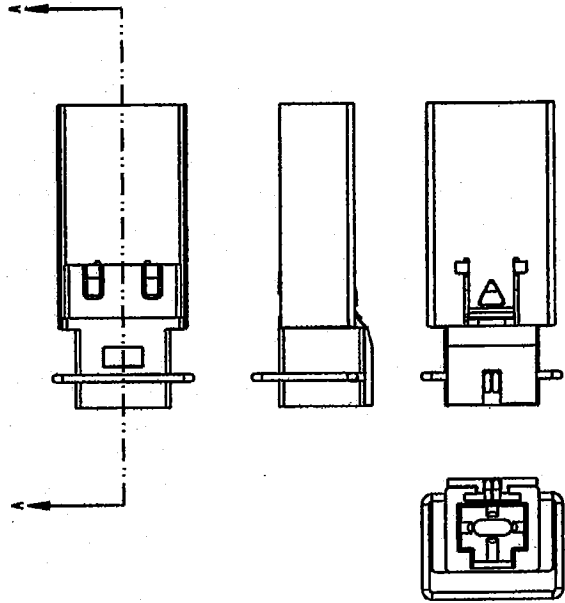
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HONEYWELL  
PROPRIETARY



UP POSITION  
MODULE RETAINED BY CAGE

HANDLE IN UP POSITION

PROJECTION ON HOUSING

LOCKING TAB ON CAGE

EJECTOR BUTTON

SECTION A-A  
SCALE 10

Honeywell

CONTRACT NO. 32388  
SHEET 2 OF 3  
AST-114-001

FORM NO. 110-0766-004

AST-H14-001  
REVISION 2

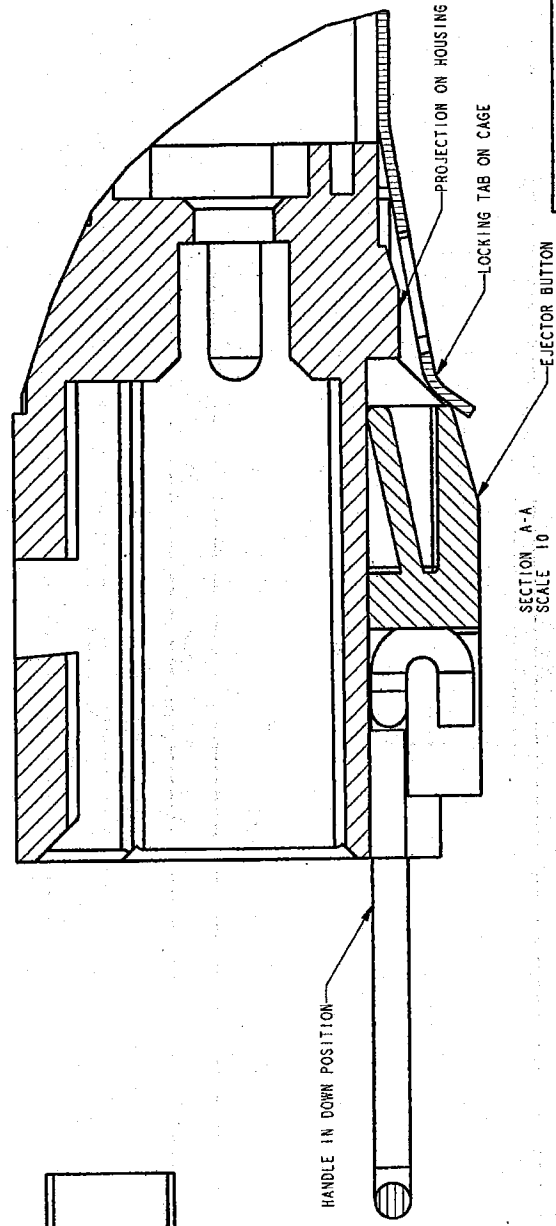
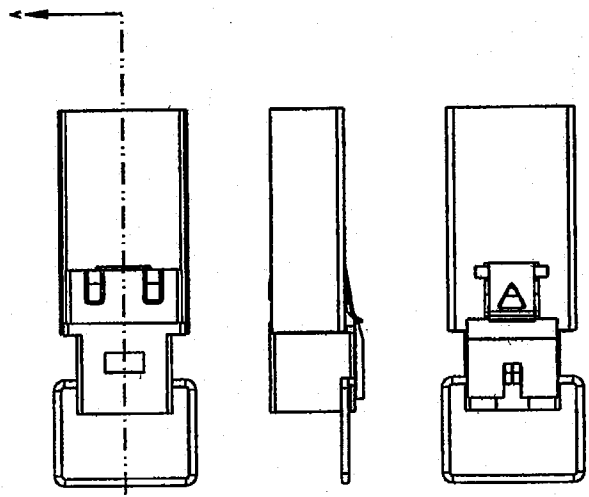
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HONEYWELL  
PROPRIETARY



DOWN POSITION  
MODULE RELEASED FROM CAGE

Honeywell

FORM NO. 110-0768-004  
32388  
AST-H14-001  
2  
REV. 3 OF 3



AST-114-002  
REVISION

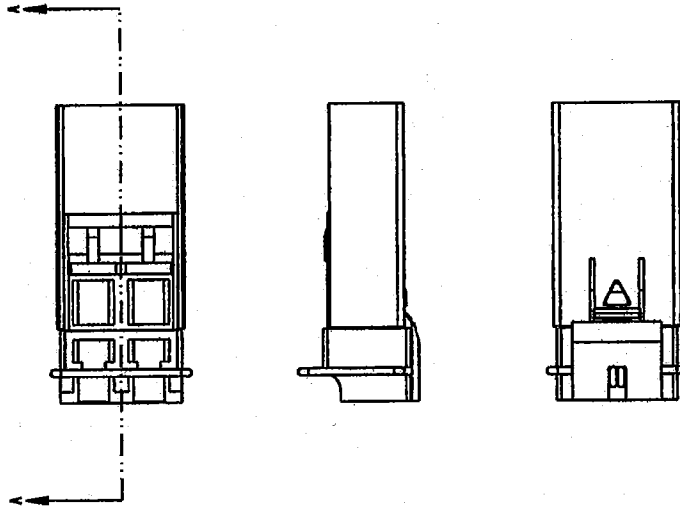
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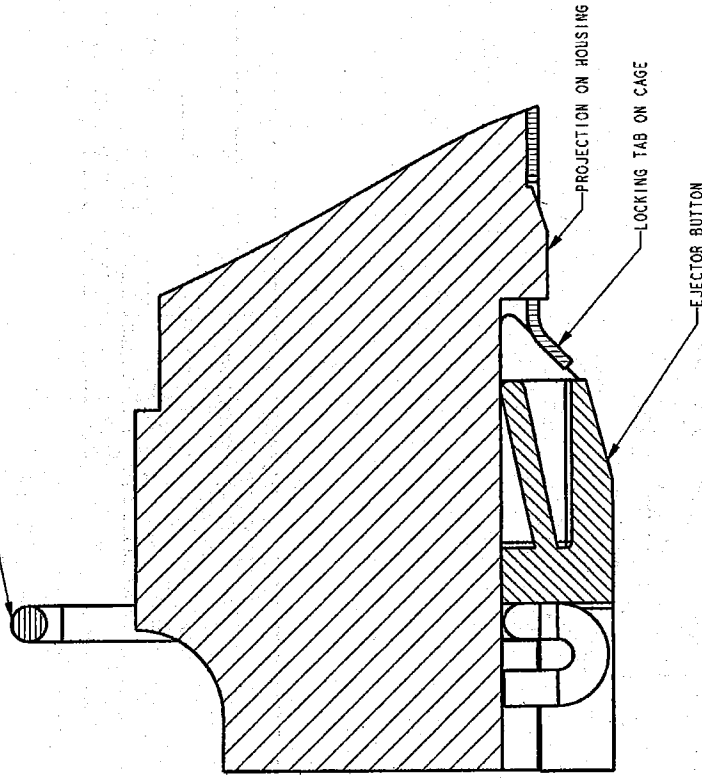
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HONEYWELL  
PROPRIETARY



UP POSITION  
MODULE RETAINED BY CAGE

HANDLE IN UP POSITION



PROJECTION ON HOUSING

LOCKING TAB ON CAGE

EJECTOR BUTTON

SECTION A-A  
SCALE 10

Honeywell

FORM NO. 110-0766-004  
32388  
AST-114-002  
2 OF 3

AST-114-002  
REVISION  
1

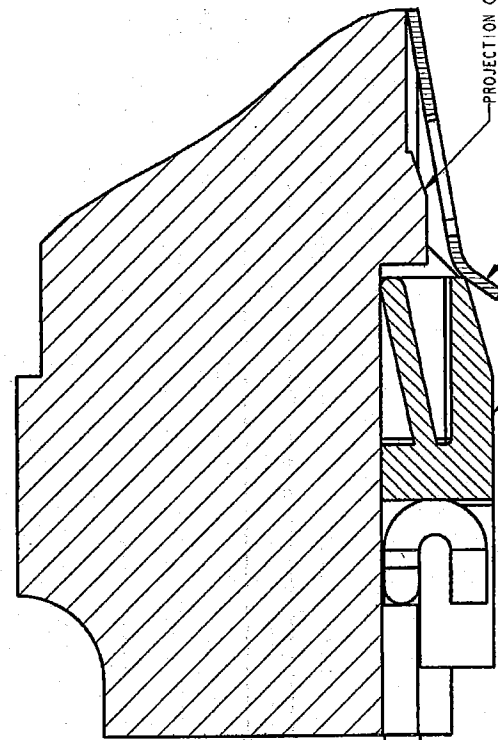
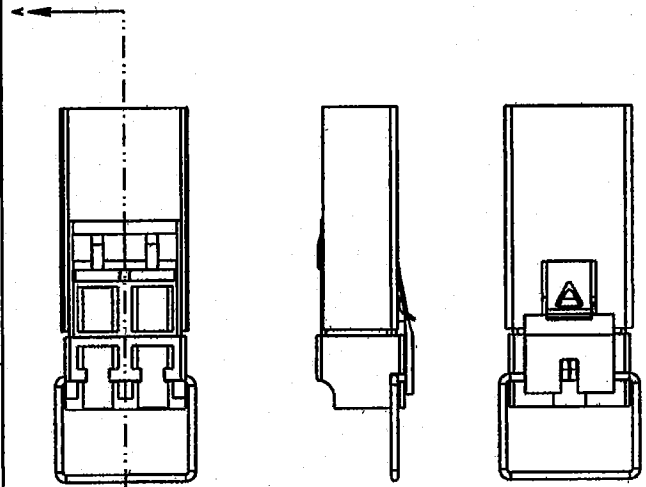
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HONEYWELL  
PROPRIETARY



HANDLE IN DOWN POSITION

DOWN POSITION  
MODULE RELEASED FROM CAGE

PROJECTION ON HOUSING  
LOCKING TAB ON CAGE  
EJECTOR BUTTON

Honeywell

SECTION A-A  
SCALE 10

FORM NO. 110-0766-004  
32388  
AST-114-002  
PAGE 3 OF 3

EXHIBIT B



> -----Original Message-----

> From: Walker, Jack (TX95)  
> Sent: Tuesday, April 03, 2001 2:37 PM  
> To: McLaughlin, John (CA48)  
> Subject: MTRJ sample

>

> John,

> The sample that I shipped is an assembly consisting of three parts:  
MTRJ front housing, ejector button, and wire  
> handle (no components in housing). The housing is the current version  
with a slot machined in the bottom (after  
> plating). The real housings with molded-in slot and the detent/stop on  
the sides is being tooled now. The ejector  
> button is a SLA built part. It does fit a little tighter than the  
molded part will and it is clear/white instead of  
> black like the real ones will be. The wire handle was actually made  
from a piece of sheet metal (that's why its cross  
> section looks square instead of round). The portion that rotates in  
the slot in the housing was filed down to a round  
> shape. The production handle will be stainless steel wire. The ejector  
button and the wire handle are also being  
> tooled now.

>

> This assembly demonstrates the concept pretty well even if the parts  
aren't the real thing. To demonstrate its  
> operation, pull the handle up and slide the ejector button forward.  
You can then pull the handle down and see the  
> ejector button move back. Travel is ~.050-.060 which is plenty to  
release the triangular portion of the housing from  
> the cage that the modules get plugged into. To repeat this, move the  
handle and button back to their starting  
> positions.

>  
> We did the same thing for the LC version but found that the same shape  
either got hung up in the fiber release  
> mechanism (for the short version) or went over the release mechanism  
and released the module with the fiber still  
> plugged in. We are having a different style built and should have it  
in a few days.

>  
> If you have any questions, please call me.

>  
> Jack  
> 972-470-4365

>  
>